



# Chemical, Biological, Radiological, and Nuclear Defense Information Analysis Center

The Chemical, Biological, Radiological, and Nuclear Defense Information Analysis Center (CBRNIAC) is one of the US Department of Defense (DoD) IACs. CBRNIAC supports DoD, other federal agencies and their contractors, state and local governments, and emergency responders. CBRNIAC's Core Program provides information retrieval and analysis by professionals with expertise in the scientific, technical, and operational areas of Chemical, Biological, Radiological, and Nuclear (CBRN) Defense and homeland security, while Technical Area Tasks (TATs) through our laboratories, test facilities, data centers, and knowledge-management solutions offer extended support.

"The war on terror is a new kind of war against the most ruthless of enemies—and the fight we are waging is every bit as urgent as it is dangerous... [These enemies] are looking to obtain chemical, biological, or even nuclear weapons by any means they can find, and would not hesitate to use such weapons at the first opportunity."

Vice President Richard B. Cheney  
February 28, 2006  
46th Annual American Legion Conference  
Washington, DC

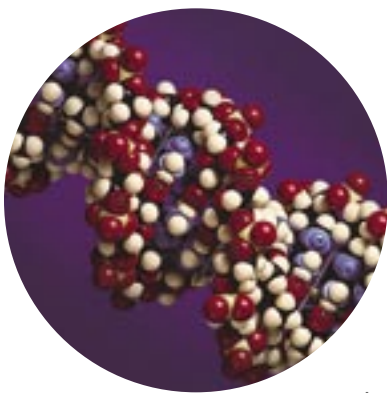
Report on Activities and Programs for  
Countering Proliferation and NBC Terrorism  
May 2006

The threat from CBRN weapons includes a complex variety of chemical weapons—nerve, blood, blister, choking agents, toxic industrial

chemicals, and novel threat agents—and is complicated by the numerous potential means of delivering these weapons—bombs, spray devices, missiles, or novel delivery devices.

The threat from CBRN weapons also includes biological weapons; viral, bacterial, rickettsial, and toxic agents; potentially new or genetically engineered agents; and emerging infectious diseases. It includes radiological and nuclear weapons, including radiological dispersal devices or *dirty bombs*.

In addition, more than 20 states and several non-state organizations may currently have or may be pursuing CBRN weapons capabilities that could pose threats to US forces operating abroad or within the United States.



CBRNIAC is a one-stop source: for CBRN Defense and homeland security support, for comprehensive CBRN Defense information, and for Defense technical and operational solutions. CBRNIAC's scope

includes the following:

- Analysis of Manufacturing Processes for Nuclear, Biological, and Chemical (NBC) Defense Systems
- Chemical & Physical Properties of CBD Materials
- Combat Effectiveness
- Counter-Proliferation
- Counter-Terrorism
- Defense Conversion & Dual-Use Technology Transfer
- Domestic Preparedness & Homeland Security
- Environmental Fate & Effects
- International Technology Proliferation & Arms Control
- Medical Effects & Treatment
- NBC Survivability
- Radiological and Nuclear Defense
- Smoke & Obscurants
- Toxic Industrial Chemicals & Toxic Industrial Materials
- Treaty Verification & Compliance
- Warning & Identification

CBRNIAC's Core Program acquires, generates, processes, analyzes, synthesizes, and disseminates CBRN Defense and homeland security information for scientific, technical, and operational

applications; provides a robust current awareness program through newsletters and a website; and provides a responsive and comprehensive inquiry and referral service to our users. CBRNIAC's repository contains more than 121,000 documents and more than 135,000 records.

CBRNIAC TATs provide a quick, convenient, and responsive contract vehicle for independently funded analytical and/or technical efforts. TATs provide access to technical expertise and facilities for CBRN Defense and for homeland security technical work. Example TAT areas are:

- Information Collection & Compilation
- Hardware Development
- Laboratory Studies & Surety Work
- Design & Development of Models, Simulations & Databases
- Technical Consulting
- Training & Exercises
- Conferences, Symposia & Working Groups
- Engineering Design, Prototyping & Low-Rate Production

CBRNIAC's Knowledge Management & Development (KM&D) Program collects, analyzes, synthesizes, and disseminates CBRN Defense and homeland security scientific, technical, and operational knowledge to meet specific requirements. Our expertise in developing databases, applications, and CBRN Defense content enables us to provide specialized electronic formats, extract and organize technical information, and provide electronic dissemination.

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